

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims

1. (withdrawn) A luminaire for providing uniform color and brightness from multiple small light sources, comprising a shallow plate of transparent material having a first surface which is substantially flat, and a second surface which includes patterned planes acutely disposed to the first surface, each second surface being adjacent to an entry face into which light from the multiple small light sources is projected into the plane.

Cancel claims 2-9.

10. (withdrawn) A luminaire for providing uniform color and brightness from multiple LEDs comprising multiple LEDs, a shallow plate of transparent material having one substantially flat surface and a second surface which is the form of a shallow cone, acute to the first surface, the plate having a round or rectangular hole substantially on the center axis of the cone, the walls of the hole being essentially a window to allow in projected light from the multiple LEDs.

11. (withdrawn) A luminaire as defined in claim 10 in the form of a shallow plane.

12. (withdrawn) A luminaire for providing uniform color and brightness comprising: multiple LEDs each surrounded by a collimating ring lens, a shallow cone of transparent material having a first surface that is substantially flat and a second surface which includes shallow cones, arranged in a geometric pattern, the apex of the cones having blind holes, the inner surfaces of which are essentially clear so as to accept the light from one of the LEDs surrounded by the collimating ring lens.

Cancel claim 13.

14. (withdrawn) A luminaire as defined in claim 12 in the form of a shallow plane.

Cancel claim 15.

16. (withdrawn) A luminaire as defined in claim 14 in the form of a shallow plane.

17. (withdrawn) A luminaire for providing uniform color and brightness from comprising multiple LEDs, rectangular bars of which the upper and lower faces are acutely tapered toward each other, the bars being in a patterned arrangement such that the tapers alternate from one bar to another, the wide end of each bar having a

clear face to accept light from an LED, the sides of the bars connecting to form a unified plate.

18. (withdrawn) A luminaire as defined in claim 16 in the form of a shallow plane.
19. (new) A luminaire for providing uniform color and brightness comprising:
multiple LEDs arranged on a plane in a geometric pattern;
a plurality of ring lenses, each at least partially surrounding a corresponding LED, a portion of each ring lens being canted in section for providing a canted radial beam at an angle to the plane on which the LEDs are arranged.
20. (new) A luminaire as defined in claim 19 wherein the plane in which the LEDs are arranged is located substantially parallel to a first surface onto which the canted radial beams are projected.
21. (new) A luminaire as defined in claim 20 wherein the first surface is reflective, reflecting the canted radial beams.
22. (new) A luminaire as defined in claim 20 wherein the first surface is refractive, refracting the canted radial beams.
23. (new) A luminaire as defined in claim 19 wherein the ring lenses surrounding the multiple LEDs are comprised of a first and second canted portion, respectively projecting a first and second canted radial beam, each at an angle to the plane on which the LEDs are arranged.
24. (new) A luminaire as defined in claim 23 wherein the plane on which the LEDs are arranged is substantially parallel to a first surface onto which the first canted radial beams are projected.
25. (new) A luminaire as defined in claim 23 wherein said first surface is reflective.
26. (new) A luminaire as defined in claim 23 wherein said first surface is refractive.
28. (new) A luminaire as defined in claim 23 wherein there is a first and second surface, each substantially parallel to the plane on which the LEDs are arranged, said first canted ring portion projecting a first canted radial beam onto said first surface and said second canted ring portion projecting a second canted radial beam onto said second surface.
29. (new) A luminaire as defined in claim 28 wherein both surfaces are reflective.
30. (new) A luminaire as defined in claim 28 wherein both surfaces are refractive.
31. (new) A luminaire as defined in claim 28 wherein one surface is reflective and one surface is refractive.